

WHAT IS CLAIMED IS:

1. A method for producing contoured laminated slate comprising the steps of:
cutting a sheet of slate to a desired dimension;
placing a form around the edges of the slate sheet;
5 inserting resilient dams intermediate the slate sheet and the form;
pouring a resin layer over the slate sheet to form a laminated slate precursor;
allowing the resin to partially cure;
removing the resilient dams and form;
cleaving a slate veneer which is adhered to the resin from the slate sheet;
10 placing the laminated slate precursor onto a contoured mold;
pressing the laminated slate precursor to the mold surface;
allowing the resin to completely cure; and,
removing the contoured laminated slate from the mold.
2. A method for producing contoured laminated slate as defined in claim 1
15 wherein the resin layer is poured to a depth of about 1/4 inch.
3. A method for producing contoured laminated slate as defined in claim 1
wherein the slate veneer cleaved from the slate sheet is about 1/16 inch in thickness.
4. A method for producing contoured laminated slate as defined in claim 2
wherein the resin comprises a two part polyether polyol/diisocyanate and additionally
20 comprising the step prior to pouring of mixing in equal parts by weight polyether
polyol and diisocyanate.
5. A method for producing contoured laminated slate as defined in claim 4
further comprising during the step of mixing, the step of adding colorant compatible
with the slate color.
- 25 6. A method for producing contoured laminated slate as defined in claim 1
wherein the mold has a waveshape comprising multiple curves.
7. A method for producing contoured laminated slate as defined in claim 1
wherein the mold has a single arc curve.
8. A method for producing contoured laminated slate as defined in claim 1
30 further comprising the step of trimming the laminated slate edges.

9. A method for producing contoured laminated slate as defined in claim 1 wherein the step of pressing includes placing sand bags on the surface of the laminated slate precursor.
10. A method for producing contoured laminated slate as defined in claim 1 wherein the resilient dams are Styrofoam sheet.
11. A contoured laminated slate having a slate veneer backed by a cured resin.
12. A contoured laminated slate as defined in claim 11 wherein the slate veneer is about 1/16 inch in thickness.
13. A contoured laminated slate as defined in claim 11 wherein the cured resin is about 1/4 inch in thickness.
14. A contoured laminate slate as defined in claim 11 wherein the contour is created by curing the resin affixed to the slate veneer on a curved mold.
15. A contoured laminate slate as defined in claim 14 wherein the slate veneer is cleaved from a slate sheet with the resin partially cured prior to placement on the curved mold.
16. A contoured laminate slate as defined in claim 11 wherein the contour has a single curve.
17. A contoured laminate slate as defined in claim 11 wherein the contour has multiple curves.
18. A contoured laminate slate as defined in claim 11 wherein the resin is two part polyether polyol/diisocyanate.
19. A contoured laminated slate with multiple curves having a slate veneer of about 1/16 inch backed by a cured two part polyether polyol/diisocyanate resin with a thickness of about 1/4 inch having colorant to match the slate, the contour created by curing the resin affixed to the slate veneer on a curved mold and the slate veneer is cleaved from a slate sheet with the resin partially cured prior to placement on the curved mold.